REMARKS

In view of the above amendments and the following remarks, reconsideration and further examination are requested.

By this amendment, claims 22-29 have been canceled in favor of new claims 30-37. Thus, claims 1-29 have been canceled and claims 30-37 are pending. Support for new claims 30-37 can be found at least at: column 21, lines 26-30; column 14, lines 32-63; Fig. 6; column 18, lines 40-42; column 21, lines 6-26; and Fig. 21.

In the outstanding Office Action, claims 22-29 were indicated as allowed. Also, the Examiner required a Supplemental Reissue Declaration. In view of the claim amendments herein, it is requested that the requirement of the Supplemental Reissue Declaration be held in abeyance until the new claims are indicated as allowed.

Claims 30-37 are essentially the same as canceled claims 22-29 except that the following recitation has been deleted from the independent claims 30, 32, 34, and 36:
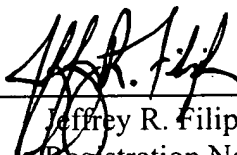
> a distance in the vector space diagram between any closest two signal points of any adjacent two signal point groups is $2\delta \times n$, where n is a shift value which is more than 1 and 2δ represents a distance in the vector space diagram between any adjacent two signal points of the m signal points when the m signal points are allocated in the vector space diagram at equal intervals in the I axis and Q axis directions of the vector space diagram.

However, claims 30-37 should be considered allowable over the prior art of record because of the remaining recitations in the claims and for the same reasons for allowance of claims 22-29.

The Examiner is invited to contact the undersigned attorney by telephone to resolve any remaining issues.

Respectfully submitted,

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